



## Laboratory Results

January 2, 2018

Danielle Gaito - Mail Code OEP06-4

Evan Lewis - Mail Code OEP06-1

US EPA New England R1

Project No: 17120019

Project: Merrymeeting River - New Durham, NH

Analysis: Total Suspended Solids in Water

EPA Chemist: Inna Germansderfer

Date Samples Received by the Laboratory: 12/14/2017

### Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, INGTSS-TDS-VRES6.

The SOP is based on SM 2540 D.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

If you have any questions please call me at 617-918-8340.

Sincerely,

17120019TSS

**Qualifiers:**

**RL** = Reporting limit

**ND** = Not Detected above Reporting limit

**NA** = Not Applicable due to high sample dilutions or sample interferences

**NC** = Not calculated since analyte concentration is ND.

**J** = Estimated value

**J1** = Estimated value due to MS recovery outside acceptance criteria

**J2** = Estimated value due to LFB result outside acceptance criteria

**J3** = Estimated value due to RPD result outside acceptance criteria

**J4** = Estimated value due to LCS result outside acceptance criteria

**E** = Estimated value exceeds the calibration range

**L** = Estimated value is below the calibration range

**B** = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.

**R** = No recovery was calculated since the analyte concentration is greater than four times the spike level.

**P** = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.

**C** = The identification has been confirmed by GC/MS.

**A** = Suspected Aldol condensation product.

**N** = Tentatively identified compound.

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**Merrymeeting River - New Durham, NH**

**Total Suspended Solids in Water**

Matrix: Water

| <b>Sample Number</b> | <b>Lab ID</b> | <b>Collected</b> | <b>Analysis</b> | <b>Concentration<br/>mg/L</b> | <b>RL<br/>mg/L</b> | <b>Qualifier</b> |
|----------------------|---------------|------------------|-----------------|-------------------------------|--------------------|------------------|
| MM01                 | AB72698       | 12/14/2017 9:10  | 12/20/2017      | ND                            | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |
| PM01                 | AB72699       | 12/14/2017 9:17  | 12/20/2017      | ND                            | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |
| PM02                 | AB72700       | 12/14/2017 9:30  | 12/20/2017      | ND                            | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |
| MM02                 | AB72701       | 12/14/2017 9:40  | 12/20/2017      | ND                            | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |
| MM03                 | AB72702       | 12/14/2017 9:55  | 12/20/2017      | <b>2.8</b>                    | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |
| DUP                  | AB72703       | 12/14/2017 0:00  | 12/20/2017      | ND                            | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |
| Blank                |               |                  | 12/20/2017      | ND                            | 2.5                |                  |
| Comments:            |               |                  |                 |                               |                    |                  |

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Merrymeeting River - New Durham, NH

Laboratory Duplicate Results

| SAMPLE ID | PARAMETER                       | SAMPLE<br>RESULT | SAMPLE DUP<br>RESULT | PRECISION<br>RPD | QC<br>LIMITS |
|-----------|---------------------------------|------------------|----------------------|------------------|--------------|
|           |                                 | mg/L             | mg/L                 | %                | (%RPD)       |
| AB72700   | Total Suspended Solids in Water | ND               | ND                   | NC               | 25           |

## CHAIN OF CUSTODY RECORD

[illegible]

**Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files**

17120019 TSS  
17120019 OPHOS  
~~17120019 TP~~  
17120019 AMMO  
17120019 \$TNL